| lı | ndex of | Claims | |
|----|---------|--------|--|
| | | | |

| Application/Control No. |
|-------------------------|
|-------------------------|

10/525,713

Examiner

M. Alexandra Elve

Applicant(s)/Patent under Reexamination

HEISELE ET AL.

Art Unit

1725

| √ | Rejected |
|----------|----------|
| 11 | Allowed |

| 1 | (Through numeral) Cancelled |
|---|--------------------------------|
| | |

Restricted

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | | | | | 264 | | | | |) | <u> </u> | | _ | | | | 254 | | | |
|--|----------|--|--|--|--|--|--|--|--|--|---|--------------|----------|--|--------------|----------|------------------|----------------|--|--|---|
| LOIS | im | ⊢ | _ | _ | _ | Date | ! _ | _ | г— | | | Cla | AUT) | Ι | _ | _ | _ | Date | = | _ | Т |
| Final | Original | 3/31/07 | | | | | | | | | | Final | Original | | | | | | | | |
| | 120 | | | Г | | Г | | Г | | | 1 | - | 51 | | | | | | Г | \vdash | T |
| | 2 | | | | | İ | | | | | 1 | | 52 | | | \Box | \vdash | Г | ┢ | ┢ | t |
| | 2 | | | | | T | | | | Г | 1 | | 53 | | _ | | \vdash | Г | Г | \vdash | t |
| | 4 | 1 | Г | Г | Г | | Г | Г | | | 1 | _ | 54 | | | | | \vdash | Г | | T |
| | 5 | 1 | | | | | | t | | | 1 | | 55 | | | _ | 1 | | ┢ | _ | T |
| <u> </u> | 6 | 1 | _ | 7 | | T | | 1 | | | 1 | | 56 | Г | | _ | _ | Г | ┢ | | T |
| | 7 | | _ | ┪ | ┢ | _ | | \vdash | ı | Г | 1 | | 57 | | | _ | _ | \vdash | | | t |
| | 8 | \vdash | | \vdash | _ | Т | Г | | Г | | 1 | | 58 | | | | \vdash | \vdash | Г | _ | T |
| | 9 | | | | | 1 | | | \vdash | | 1 | | 59 | Г | | | 1 | Г | \vdash | \vdash | T |
| | 10 | | | | | | \vdash | \vdash | | | 1 | | 60 | \vdash | | _ | Г | \vdash | Г | _ | t |
| | 11 | | | <u> </u> | | | ┢ | Ħ | | ┢ | | | 61 | | | | | Г | | | T |
| | 12 | Г | | Т | | 一 | ┪ | ┢ | | ┢ | 1 | | 62 | | | Т | ┢ | 一 | ┢ | \vdash | T |
| | 13 | | | | | Т | | T | _ | _ | 1 | | 63 | Н | | Т | \vdash | Н | \vdash | \vdash | t |
| | 14 | \vdash | | Т | | | | 一 | Т | \vdash | 1 | | 64 | | | _ | Г | <u> </u> | | | t |
| | 15 | | | - | | | | T | | Г | | | 65 | _ | | ┈ | ┪ | \vdash | ┪ | _ | t |
| | 16 | | | \vdash | | 1 | | 1 | H | _ | 1 | | 66 | | _ | | _ | | _ | _ | t |
| \vdash | 17 | Н | | \vdash | Н | ╁ | \vdash | t | ┰ | \vdash | 1 | | 67 | - | | \vdash | \vdash | | - | \vdash | t |
| | 18 | | ┢ | ┢ | Н | \vdash | \vdash | T | H | | 1 | | 68 | | | | \vdash | | - | | t |
| | 19 | ┢ | ┢ | - | ┪ | ┢ | ┢ | H | Н | H | 1 | | 69 | - | | | - | - | H | - | t |
| | 20 | ┢ | \vdash | _ | | ┢ | _ | \vdash | ┢ | _ | ĺ | | 70 | | | \vdash | \vdash | ┢ | | ┢ | t |
| | 21 | ┰ | - | \vdash | - | H | \vdash | t | ┢ | | 1 | | 71 | \vdash | | \vdash | \vdash | | \vdash | \vdash | t |
| | 22 | ┢ | \vdash | ┢ | ┢ | ┢ | ┢ | ┢ | ┢ | H | 1 | | 72 | | _ | \vdash | Н | ┢ | ┢ | \vdash | t |
| \vdash | 23 | \vdash | | _ | - | \vdash | \vdash | \vdash | ┢ | Н | i | | 73 | - | | ┢ | - | ┢ | ┢ | ⊢ | t |
| - | 24 | _ | \vdash | \vdash | \vdash | ⊢ | ┢ | ✝ | \vdash | \vdash | 1 | | 74 | - | _ | | H | - | \vdash | _ | t |
| | 25 | Н | | \vdash | \vdash | \vdash | ┢ | ┢ | - | | 1 | | 75 | Н | _ | | \vdash | \vdash | Н | Н | t |
| \vdash | 26 | H | H | \vdash | \vdash | ┢ | | ╁╌ | ┢ | ┢ | ł | _ | 76 | | | ┢┈ | | ┝ | \vdash | | t |
| | 27 | ├ | ┢ | H | ┪ | \vdash | ┢ | ╁╌ | \vdash | | ł | | 77 | - | _ | ├ | - | ┢ | ┢ | - | t |
| <u> </u> | 28 | \vdash | ┢╾ | - | - | ╁╌ | ╁ | 一 | \vdash | Н | ł | | 78 | - | - | ┢ | | ├- | - | - | t |
| | 29 | - | _ | \vdash | ╁ | \vdash | ┢ | - | \vdash | \vdash | 1 | | 79 | - | _ | _ | _ | ┢ | ┢ | \vdash | t |
| | 30 | H | \vdash | \vdash | \vdash | ╁╌ | | 1 | - | ┢ | 1 | _ | 80 | H | _ | \vdash | H | H | ┢ | _ | t |
| _ | 31 | - | \vdash | \vdash | ┢ | ┢ | ┢ | \vdash | \vdash | ┢ | ł | | 81 | Н | _ | ┢ | - | \vdash | \vdash | ┢ | t |
| | 32 | \vdash | \vdash | | \vdash | \vdash | \vdash | | \vdash | _ | 1 | | 82 | - | - | H | ┢ | ╁ | ┢ | - | t |
| | 33 | ┢ | ┝ | ┢ | ┢ | ┢ | ⊢ | \vdash | \vdash | ┢ | 1 | _ | 83 | H | | \vdash | ┢ | \vdash | ├ | ┢ | t |
| | 34 | ┢ | \vdash | \vdash | - | \vdash | \vdash | ┢ | \vdash | - | 1 | | 84 | \vdash | _ | ┝ | \vdash | ┝ | ⊢ | ┢ | t |
| | 35 | \vdash | \vdash | \vdash | ╁ | ┢ | ┢ | ╁ | \vdash | \vdash | 1 | | 85 | | | \vdash | - | - | ┝ | ⊢ | t |
| | 36 | \vdash | ┢╌ | - | ⊢ | ┢ | \vdash | ┢ | - | t | 1 | | 86 | \vdash | | \vdash | ⊢ | ╁ | ╁╴ | H | t |
| | 37 | ┢ | - | ┢ | \vdash | ┢ | ┢ | ┢ | ╁ | ┢ | ł | | 87 | \vdash | | \vdash | ┢ | ╁ | H | \vdash | t |
| | 38 | 1 | | | 1 | \vdash | \vdash | \vdash | | | 1 | _ | 88 | | - | - | ┢ | \vdash | \vdash | | H |
| - | 39 | \vdash | | \vdash | 1 | 一 | \vdash | \vdash | \vdash | \vdash | 1 | | 89 | \vdash | | \vdash | ┢ | - | - | \vdash | t |
| - | 40 | \vdash | ╌ | - | ┢ | ╁╾ | - | ┢ | ├─ | ⊢ | ┨ | | 90 | H | - | ├ | ⊢ | ⊢ | ⊢ | ⊢ | ╁ |
| | .41 | ┢ | ┝ | ⊢ | ┢ | ┢ | ┢ | ┢ | | ┢ | ł | | 91 | - | ┢ | ⊢ | ┝╌ | ┢ | ╁ | ╁ | ╁ |
| \vdash | 42 | \vdash | - | - | ┢ | ╁╴ | | - | - | H | 1 | | 92 | ⊢ | | ┢ | ⊢ | ╁╾ | ╁╌ | ╁ | ╁ |
| | 43 | | Ι | | | ╁╾ | | ╁ | - | \vdash | 1 | | 93 | \vdash | - | \vdash | - | ╁ | \vdash | \vdash | t |
| - | 44 | ╁ | \vdash | \vdash | | \vdash | +- | 1 | | \vdash | 1 | | 94 | \vdash | \vdash | ┢ | \vdash | \vdash | 1- | \vdash | ╁ |
| | 45 | \vdash | | ├ | \vdash | | t | \vdash | | 1 | 1 | | 95 | \vdash | | ┢ | \vdash | ┢ | ┢ | ╁ | t |
| | 46 | \vdash | Ι | \vdash | | 十 | t — | 1 | - | \vdash | 1 | | 96 | \vdash | \vdash | \vdash | ┢ | \vdash | \vdash | \vdash | t |
| _ | 47 | \vdash | | | \vdash | ┢ | \vdash | \vdash | | ├ | 1 | | 97 | \vdash | \vdash | \vdash | | ╁ | \vdash | \vdash | t |
| _ | 48 | \vdash | | \vdash | \vdash | | \vdash | ┢ | \vdash | \vdash | 1 | | 98 | \vdash | \vdash | \vdash | - | - | \vdash | \vdash | t |
| | 49 | ╁ | \vdash | ┢ | | ╁ | - | - | 1- | \vdash | 1 | | 99 | \vdash | ┝ | \vdash | | ┢ | - | | ╁ |
| | 50 | ╁ | ┢ | ┢ | ┢ | 1- | - | ┢ | \vdash | | ┨ | | 100 | \vdash | \vdash | \vdash | - | ╁ | \vdash | \vdash | ╁ |
| <u> </u> | , 50 | Ц_ | | | Щ. | Ц_ | | Щ. | Ц_ | Ц_ | J | Ь | 1 100 | | | | | Ц_ | Ь_ | Щ | _ |

| Cla | im | _ | | | C | Date | ; | | | |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------|----------|
| | _ | | | | | | | | | |
| ਗ | Original | | | | | | | | | |
| Final | <u>.</u> jg. | | | | | | | | | |
| ۱ ۳ | ΙŏΙ | | ĺ | | | | | | | |
| ļ | | | | | | ш | | | | |
| | 51 | | | | | | | | | _ |
| | 52 | | | li | | | | | | |
| | 53 | | | | | | | | | |
| | 54 | | | | | | | | | |
| | 54 55 | | \neg | \neg | - | | | _ | \vdash | _ |
| \vdash | 56 | \dashv | \dashv | \vdash | - | \vdash | _ | - | - | _ |
| <u> </u> | 50 | _ | | _ | | - | | | - | - |
| <u> </u> | 57 | \perp | _ | | _ | | | | | _ |
| <u> </u> | 58 | | | | | | | | | |
| | 59 | | | | | | | | | |
| | 60 | | | | | | | | | |
| | 61 | | | | | | | | | |
| | 62 | | | П | П | П | | | | |
| | 63 | \vdash | | \vdash | \vdash | Н | | | \vdash | _ |
| - | 64 | \vdash | \vdash | - | \vdash | Н | | - | \vdash | |
| - | 65 | | \vdash | | Н | Н | _ | Н- | \vdash | |
| \vdash | 65 | Ш | _ | Щ | Щ | Ш | | ļ., | \vdash | - |
| \vdash | 66 | | | Ш | Ш | Ш | | | _ | _ |
| | 67 | | | | | | | | | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | | | | |
| | 70 | | | | | | | | _ | Г |
| | 71 | Н | | | | Н | | | _ | |
| \vdash | 72 | - | - | | | - | _ | _ | _ | _ |
| - | | Н | | | | - | - | — | | _ |
| | 73 | Н | _ | | | Ш | - | _ | | _ |
| <u> </u> | 74 | | | | | | | | | |
| | 75 | | | | | | | | | L |
| L | 76 77 | | | | | | | | | |
| | 77 | | | | | | | | | |
| | 78 | | | | | | | | | |
| | 79 | | | | | | | | _ | _ |
| \vdash | 80 | Н | - | | \vdash | _ | _ | | | - |
| - | 81 | | | _ | | \vdash | _ | | | _ |
| - | 01 | _ | _ | - | Н | \vdash | _ | | - | - |
| <u> </u> | 82 | | | | \sqcup | | | | | _ |
| | 83 | Ш | L | \vdash | Ш | Щ | | Щ | L | <u> </u> |
| | 84 | | | | | | | | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | | | П | М | П | П | | Г | |
| | 88 | | | \vdash | \vdash | | | - | | \vdash |
| | 89 | \vdash | H | - | \vdash | \vdash | | - | - | \vdash |
| \vdash | 00 | H | <u> </u> | \vdash | \vdash | \vdash | - | - | - | \vdash |
| | 90 | — | <u> </u> | ⊢ | | Ш | H | <u> </u> | \vdash | |
| <u> </u> | 91 | \vdash | L. | \vdash | Щ | Ш | L_ | Ш | <u> </u> | <u> </u> |
| L | 92 | Ш | | oxdot | Ш | Ш | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | |
| | 93 | | | | | | | | L | |
| | 94 | | | | | | | | | |
| | 95 | | | | | | | | | |
| | 96 | Г | Т | Г | П | Т | \vdash | \vdash | \vdash | |
| - | 97 | \vdash | \vdash | \vdash | Н | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 98 | \vdash | \vdash | \vdash | - | H | H | \vdash | \vdash | - |
| \vdash | | \vdash | <u> </u> | - | \vdash | Ι | μ, | ├ | ┝ | <u> </u> |
| <u> </u> | 99 | | _ | \vdash | \vdash | Ш | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | . • nn l | | | | | | | | | |

| Cla | aim | ∠ Date | | | | | | | | | | |
|--|--|--|---------------|--|--|--|--|--|--------------|----------|--|--|
| | | | | | | | | | | П | | |
| a | Original | • | | | | | | | | | | |
| Final | rigi | | | | | | | | | | | |
| _ | 0 | | | | | | | | | | | |
| | 101 | Н | | _ | Н | - | | | | | | |
| | 101 102 | М | - | | | \vdash | - | | \vdash | | | |
| | 103 | | | | | | | | _ | | | |
| | 104 | П | _ | | | | | | | \vdash | | |
| | 104 105 106 | | \vdash | | - | _ | | | _ | \vdash | | |
| | 106 | | $\overline{}$ | _ | | | | | - | П | | |
| | 107 | П | Н | $\overline{}$ | | _ | т | П | \vdash | П | | |
| | 108 | | | | \vdash | | | | | | | |
| | 109 110 111 | | | | | | _ | - | | | | |
| _ | 110 | П | | | Г | | | _ | | Ħ | | |
| • | 111 | | Г | | | | | _ | | М | | |
| | 112 | П | | Т | \vdash | П | Т | | П | Н | | |
| | 113 | Н | | Т | <u> </u> | | | | Н | \vdash | | |
| | 112 113 114 115 | \vdash | Т | | Г | | | \Box | П | П | | |
| | 115 | | Г | \vdash | \vdash | | | | Г | Н | | |
| | 116 | | - | | Т | H | | | | | | |
| | 117 | П | \vdash | | | \vdash | <u> </u> | | Н | Н | | |
| | 117 118 | \vdash | - | | - | \vdash | | Н | | Н | | |
| | 119 | H | <u> </u> | | | H | 一 | Н | | Н | | |
| | 120 | \vdash | _ | \vdash | _ | ┢ | \vdash | \vdash | \vdash | Н | | |
| | 120 121 122 123 124 125 126 127 | Н | \vdash | \vdash | \vdash | H | \vdash | Н | Н | \vdash | | |
| | 122 | _ | - | \vdash | ┢ | ┢═ | ┢╾ | ┢ | | Н | | |
| _ | 123 | \vdash | | - | ┢ | ┢ | | ┢ | - | Н | | |
| | 124 | - | - | _ | - | \vdash | | \vdash | - | Н | | |
| | 125 | | \vdash | \vdash | ┢ | | Н | | Н | \vdash | | |
| | 126 | - | \vdash | \vdash | \vdash | Н | \vdash | \vdash | 一 | Н | | |
| | 127 | - | | \vdash | ┢ | \vdash | \vdash | - | | Н | | |
| | 128 | \vdash | 1 | \vdash | | H | - | | \vdash | Н | | |
| | 128 129 130 131 132 | \vdash | \vdash | - | \vdash | H | \vdash | | - | Н | | |
| | 130 | | ┪ | Н | H | H | ┢ | | H | Н | | |
| | 131 | \vdash | - | | \vdash | ┢ | \vdash | \vdash | - | Н | | |
| | 132 | | _ | | 一 | \vdash | 一 | 1 | _ | H | | |
| \vdash | 133 | Н | \vdash | | | | ┢╾ | - | \vdash | Н | | |
| \vdash | 133 134 | | - | l | | T | ┢ | \vdash | \vdash | Н | | |
| | l 135 | ┢ | ┢ | | T | T | \vdash | <u> </u> | | Н | | |
| - | 136 | T | T | \vdash | T | | | | \vdash | H | | |
| | 137 | \vdash | t | 一 | - | \vdash | _ | \vdash | \vdash | Н | | |
| _ | 136 137 138 | | I^- | T | Т | \vdash | | T | T | Н | | |
| | 139 | \vdash | I^- | Г | | <u> </u> | \vdash | Ι | T | Н | | |
| | 139 140 | T | ✝ | 一 | \vdash | \vdash | t^{-} | | 一 | Н | | |
| \vdash | 141 | Ι | _ | Г | Г | 1 | Г | \vdash | Г | М | | |
| | 142 | T | \vdash | | Г | T | Г | T | Г | Н | | |
| | 143 | \vdash | | T | Г | T | T | 1 | | М | | |
| | 144 | T | | Г | T | | Т | ⇈ | \vdash | H | | |
| \vdash | 145 | | İТ | Т | t^- | | T | <u> </u> | T | Н | | |
| | 146 | | T- | \vdash | | | t^- | T | t^{-} | H | | |
| \vdash | 147 | — | | Т | \vdash | <u> </u> | 1 | | \vdash | Н | | |
| \vdash | 148 | \vdash | 1 | | | | \vdash | \vdash | \vdash | H | | |
| $\vdash \vdash$ | 149 | | ╅ | Н | \vdash | ┢ | \vdash | | ┢ | H | | |
| | 150 | ┢ | <u> </u> | | \vdash | | t | \vdash | \vdash | H | | |
| L | 1 100 | | Ц | | Ц. | | <u> </u> | <u> </u> | L | ᆫᆜ | | |